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MEMORANDUM FOR: Executive Director

THROUGH:

: Deputy Director (Support)

/s/ JKW 28 NOV 1962

SUBJECT:

: Communications Security

1. The following is submitted in response to the Director's query concerning what is being done in the electronic surveillance field as it affects communications security.

2. This emanation hazard is a very serious threat. The U.S. Communications Security Board (USCSB) of the National Security Council is vitally concerned with this hazard. I am the CIA member for the USCSB. All other government security agencies are represented including the Department of State. A special sub-committee on compromising emanations has been established solely for the purpose of defining the emanation hazards and developing standards to be followed as countermeasures. These standards are made available to both Government and industry. Currently this group is engaged in coordinating the testing of over 100 different pieces of cryptographic communications and related information processing equipment.

3. The modern cryptographic equipments now being introduced into government communications networks have been deliberately designed by NSA to reduce this hazard and as a consequence are considered "clean". However, the associated teletype equipment which is designed primarily for commercial use, is not clean. The major supplier of this equipment, the Teletype Corporation, has been made aware of this problem and is cooperating with the U.S. Government in solving it.

4. In the meantime until all of the equipments now in use are cleaned up or replaced there are a number of countermeasures that are being taken to minimize this threat. In CIA, we are following these general countermeasure practices.

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SUBJECT: Communications Security

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5. Although more progress has been and is now being made, I and the other members of the USASD are not satisfied that the U.S. Government as a whole, including ourselves and State, are keeping sufficiently ahead of the opposition on this problem. It takes time and money to counter each new offensive development with a countermeasure. Much of us, in our individual agency capacities, is giving more and more attention to this problem.

6. I am preparing a presentation on this subject for the Director and any other officials who are interested. This presentation will indicate a number of actions which the DCI may wish to endorse to the National Security Council or the U.S. Communications Security Board as appropriate.

PLANT COMMUNITY

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